

ANI/HIL/01

HILL

Prince Charles

Mts

Antarctica

1971

0012

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Mt Willing

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Nillsom Rocks

Sunday 12th Jan 71.
71

Bennett Escarpment

Akeli Stop 1.

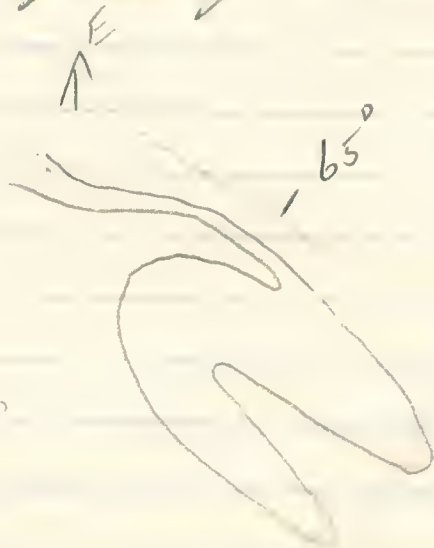
glz- fold zones with amphib
bands. St. to "Chron massif"

dp 65° E.

v. high peak nearby to E.

same dp & strike.

XII | Slide of high peak to E
complex folding



Loc 552000,

217 5000

11

75

- 125 - 16

Mt Forecast

Tuesday 12th Jan 71

Loc 1

med grained red-brown rock,
even grained, like, gtz, felds.
foliation st 110° , sp. 70° S
coarser grained gtz/feld veins
parallel foliation, even
grained, some with large
crystals about $\frac{1}{2}$ " dia

The "Gtz/feld veins" are
quite wide, up to 10'. and
of variable grain size but
coarser in general than the
surrounding amphibolite rock,
some foliation, sometimes
folded on vert axes

Loc 2 st of foliation 130°
sp. 80° S. like gtz rock
to coarse grained veins of gtz/feld

and some central particles like
like.

✓ Photo of folding in material
in low light areas

Loc. 3

150-135

st of foliation 70° dip 8.5° SW
alternating light foliated bands
(depends of ~~fold~~ ~~comp~~ ~~complication~~
condens. f. in gen. even

Spec. R.H.1 MF1 0201

fairly typical
vertical folds.

black band II foliation,
amphib, ~~spec.~~ could have
some biotite in it.

R.H.2 MF2 0202

Loc 4

Benning Mt Beckwith
114 114
482 to 480 Chas. manifest 175°
mt X. 215°

are pale pink gty fold rock
fine grained, even grained

some coarse grained rock "Veins"
parallel to foliation.

Spec of Rock. RH3. MF3.

Loc 5

Walk from A-3 shows same
rocks as recorded above.

here at 0° up $70^\circ E$ foliation

small black mylonitic rock bands
parallel foliation.

at this point compass adjusted
correctly (-53) instead of
($+63$). When reading
magnet read 10° from North,
all readings from this
point are correct at
geographic S.

rocked down at 57° dip
 80° S.

here exposed. ...
come ...
in the, ...

loc 6
dip at 75° , dip vert
clastic folds, ...
W. about 30° .



rock is a bedded green
quite ... in ...
beds of " - 1"

generally the same as above
rocks

Loc 7.

similar rock to that of Loc 6. -
tends to have higher density
of gty / felt more; a little
coarser grained.

at 65° ap. out to 80° S

Loc 8

at 67° (in line 8 - somewhat)
to out to 80° S.

some gneisses

complete gty veins up to 2' thick

West 13th Jan 71

loc 9.

more massive rocks
a red green & granitic gneiss
lib. present - about 10%
gls. about 15%
rest felds.
foliation evident in places.
pt. 45°, dip 2 Vert.

loc 10

same type of gneiss, with
much less green, and more
weak foliation

at approx 50°, dip 2-5°
points (does not seem to be faulted)

loc 10a

Same type of rock, a
little more disintegrated, and
more bluish red
also some abundance of felds.

loc 106

NE 1/4 of sec 106
number 106, with nodules
of coarse grains & coarse
qtz / feld. representative

at 300 yds. west to sec 106

Friday 15th - Brief Chopper Landing.

MB Basin, Canada

At 1000 ft. approx. Rock
fairly well grained & granitic
Spec. some basic

Spec. MBC 1 0203

Amphib. MBC 2 0204

(grab samples.)

It appears fairly
coarse grained.

Handed on logs

Nevada near Mt. Forecat
Note I read or dgs. in
basic gneiss with intermediate
to acid gneiss
couldn't find but
this is how appears

Oct 16th Jan 10pm - 1am

Oct 16th Jan 10pm - 1am

loc 1

Thin bedded to thin bed all
very thin from small particles
to angular lenticles and
2' dia

Much of the material is
granite, some very coarse granite
at this loc 2 spec taken
one ²⁰⁵ NMM 1 is med grained
granite (qtz 25%, and
felds

Nearly is fine grained
granite Spec NMM 2 ²⁰⁵

The measurements are to
make an all out in
direction of up all also
in all up & 50% of
rock type.

2nd up to 2' feet in
 rocks mostly. The lower
 shales are dark & light
 a. black. 207
 About 50 yds from base
 of the shale. 208
 209

Summit
 of the shale in
 granite. 210
 209
 210

210
 211 collected at No 5
 110°
 70° N.
 Well known. 212
 213 20/100 feet

11/11/82 Collect mineral.
not known and it is
open for ident.

Sun 17th Jan (2000) 1971

not mic makers
loc 4

These rocks similar to those
seen yesterday. again all
broken, most just by frost
action, - tend to be a
little more crumbly &
quartzose. f-m grains
are in situ.

then summit at loc 4
main rocks are flinty
the felt quartz rock
a little bit of it.

(at 85°, 30° 80° 30°)
Sun 19/1/71

Dec 5

(at 105° 10' 50" N)

mostly all drift ice & a few
small icebergs - some in the
bay, some not in
contact with the ice - some
melting.

under microscope - but in general
about 10-15-20% melted.

The present

smaller icebergs
present also

Dec 6

(at 105° 10' 50" N)

under microscope - but in general

Dec 7

(at 105° 10' 50" N)

under microscope - but in general

fine granular crystals with
nuclei & folds. at 100°
100° - 120° - 140° - 160° - 180° - 200° - 220° - 240° - 260° - 280° - 300° - 320° - 340° - 360° - 380° - 400° - 420° - 440° - 460° - 480° - 500° - 520° - 540° - 560° - 580° - 600° - 620° - 640° - 660° - 680° - 700° - 720° - 740° - 760° - 780° - 800° - 820° - 840° - 860° - 880° - 900° - 920° - 940° - 960° - 980° - 1000° - 1020° - 1040° - 1060° - 1080° - 1100° - 1120° - 1140° - 1160° - 1180° - 1200° - 1220° - 1240° - 1260° - 1280° - 1300° - 1320° - 1340° - 1360° - 1380° - 1400° - 1420° - 1440° - 1460° - 1480° - 1500° - 1520° - 1540° - 1560° - 1580° - 1600° - 1620° - 1640° - 1660° - 1680° - 1700° - 1720° - 1740° - 1760° - 1780° - 1800° - 1820° - 1840° - 1860° - 1880° - 1900° - 1920° - 1940° - 1960° - 1980° - 2000° - 2020° - 2040° - 2060° - 2080° - 2100° - 2120° - 2140° - 2160° - 2180° - 2200° - 2220° - 2240° - 2260° - 2280° - 2300° - 2320° - 2340° - 2360° - 2380° - 2400° - 2420° - 2440° - 2460° - 2480° - 2500° - 2520° - 2540° - 2560° - 2580° - 2600° - 2620° - 2640° - 2660° - 2680° - 2700° - 2720° - 2740° - 2760° - 2780° - 2800° - 2820° - 2840° - 2860° - 2880° - 2900° - 2920° - 2940° - 2960° - 2980° - 3000° - 3020° - 3040° - 3060° - 3080° - 3100° - 3120° - 3140° - 3160° - 3180° - 3200° - 3220° - 3240° - 3260° - 3280° - 3300° - 3320° - 3340° - 3360° - 3380° - 3400° - 3420° - 3440° - 3460° - 3480° - 3500° - 3520° - 3540° - 3560° - 3580° - 3600° - 3620° - 3640° - 3660° - 3680° - 3700° - 3720° - 3740° - 3760° - 3780° - 3800° - 3820° - 3840° - 3860° - 3880° - 3900° - 3920° - 3940° - 3960° - 3980° - 4000° - 4020° - 4040° - 4060° - 4080° - 4100° - 4120° - 4140° - 4160° - 4180° - 4200° - 4220° - 4240° - 4260° - 4280° - 4300° - 4320° - 4340° - 4360° - 4380° - 4400° - 4420° - 4440° - 4460° - 4480° - 4500° - 4520° - 4540° - 4560° - 4580° - 4600° - 4620° - 4640° - 4660° - 4680° - 4700° - 4720° - 4740° - 4760° - 4780° - 4800° - 4820° - 4840° - 4860° - 4880° - 4900° - 4920° - 4940° - 4960° - 4980° - 5000° - 5020° - 5040° - 5060° - 5080° - 5100° - 5120° - 5140° - 5160° - 5180° - 5200° - 5220° - 5240° - 5260° - 5280° - 5300° - 5320° - 5340° - 5360° - 5380° - 5400° - 5420° - 5440° - 5460° - 5480° - 5500° - 5520° - 5540° - 5560° - 5580° - 5600° - 5620° - 5640° - 5660° - 5680° - 5700° - 5720° - 5740° - 5760° - 5780° - 5800° - 5820° - 5840° - 5860° - 5880° - 5900° - 5920° - 5940° - 5960° - 5980° - 6000° - 6020° - 6040° - 6060° - 6080° - 6100° - 6120° - 6140° - 6160° - 6180° - 6200° - 6220° - 6240° - 6260° - 6280° - 6300° - 6320° - 6340° - 6360° - 6380° - 6400° - 6420° - 6440° - 6460° - 6480° - 6500° - 6520° - 6540° - 6560° - 6580° - 6600° - 6620° - 6640° - 6660° - 6680° - 6700° - 6720° - 6740° - 6760° - 6780° - 6800° - 6820° - 6840° - 6860° - 6880° - 6900° - 6920° - 6940° - 6960° - 6980° - 7000° - 7020° - 7040° - 7060° - 7080° - 7100° - 7120° - 7140° - 7160° - 7180° - 7200° - 7220° - 7240° - 7260° - 7280° - 7300° - 7320° - 7340° - 7360° - 7380° - 7400° - 7420° - 7440° - 7460° - 7480° - 7500° - 7520° - 7540° - 7560° - 7580° - 7600° - 7620° - 7640° - 7660° - 7680° - 7700° - 7720° - 7740° - 7760° - 7780° - 7800° - 7820° - 7840° - 7860° - 7880° - 7900° - 7920° - 7940° - 7960° - 7980° - 8000° - 8020° - 8040° - 8060° - 8080° - 8100° - 8120° - 8140° - 8160° - 8180° - 8200° - 8220° - 8240° - 8260° - 8280° - 8300° - 8320° - 8340° - 8360° - 8380° - 8400° - 8420° - 8440° - 8460° - 8480° - 8500° - 8520° - 8540° - 8560° - 8580° - 8600° - 8620° - 8640° - 8660° - 8680° - 8700° - 8720° - 8740° - 8760° - 8780° - 8800° - 8820° - 8840° - 8860° - 8880° - 8900° - 8920° - 8940° - 8960° - 8980° - 9000° - 9020° - 9040° - 9060° - 9080° - 9100° - 9120° - 9140° - 9160° - 9180° - 9200° - 9220° - 9240° - 9260° - 9280° - 9300° - 9320° - 9340° - 9360° - 9380° - 9400° - 9420° - 9440° - 9460° - 9480° - 9500° - 9520° - 9540° - 9560° - 9580° - 9600° - 9620° - 9640° - 9660° - 9680° - 9700° - 9720° - 9740° - 9760° - 9780° - 9800° - 9820° - 9840° - 9860° - 9880° - 9900° - 9920° - 9940° - 9960° - 9980° - 10000° - 10020° - 10040° - 10060° - 10080° - 10100° - 10120° - 10140° - 10160° - 10180° - 10200° - 10220° - 10240° - 10260° - 10280° - 10300° - 10320° - 10340° - 10360° - 10380° - 10400° - 10420° - 10440° - 10460° - 10480° - 10500° - 10520° - 10540° - 10560° - 10580° - 10600° - 10620° - 10640° - 10660° - 10680° - 10700° - 10720° - 10740° - 10760° - 10780° - 10800° - 10820° - 10840° - 10860° - 10880° - 10900° - 10920° - 10940° - 10960° - 10980° - 11000° - 11020° - 11040° - 11060° - 11080° - 11100° - 11120° - 11140° - 11160° - 11180° - 11200° - 11220° - 11240° - 11260° - 11280° - 11300° - 11320° - 11340° - 11360° - 11380° - 11400° - 11420° - 11440° - 11460° - 11480° - 11500° - 11520° - 11540° - 11560° - 11580° - 11600° - 11

0215

Spine of intermax. (ground
leaving) present - little of
fold.

Sandy coast grey fertile brown
ground having grey green
grass. Soil white & friable
by hand.

Loc 10

Lat 20° 45' N, Long 85° 55' W

gray sandstone green.

from ventage point where
end of road in of the
material

Spec 1111 12 216

Also Spec 1111 12 216

to show depth of

quartz

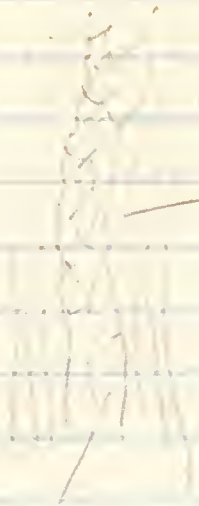
Loc 11

Lat 20° 45' N, Long 85° 55' W

in a sandstone

to separate in sandstone

Sketch of typical region
on S.W. of area



Hand-drawn
Sketch of Building

Sketch of

Spec 0 000' - 00'6

Jan 23rd Jan 70.

Chopper flights

A Mt Dowie

3 - 18

H

- 22

B

- 25

C

- 29

D

land & sea

✓ homogeneous beds.

some veining

Whole sequence more
homogeneous than that previously
seen.

vertical to SE dipping
foliation.

first few photos general
view of area & Aramis
Range.

218. 218. 218.

218. 218. 218.

Wander, small rock

218. 218. 218.

qtz. fold grains,

in foliated granite

55°, plunge 45°

qtz. fold but pgs.

white rock, cut across the

fold

Black amphibole "xps"

common "boulders"

Specs.

219 (1) Leaden River small fold
in Granite

(2) Silicite in Granite 218

(3) Dist. Garnet Schist 71280217

(4) Unknown mineral

Qtz Vein 220

Wed. 27

Spent forenoon at home.

Lesson of even. 7.30

also lesson of 9.15 - 10.15

- Mr. Granville - 10.15 - 11.15

9.15 - 10.15

but 3. 100
Wall mostly

top of clay

Loc. 1. 100

35° to 40° to 50° to 55°

Intrusive looking

gdy. field of white and grey
(v. weathered) in the
horizontal and blue, grey, field
green

Loc. 2.

at 50-55° 100 ft. top
some dark types

no type as v. weathered

In massive granite

gdy - field - more red
free

red & grey and field of
rocks v. common, some
sandy. some minor
chaotic folding seen.

Loc 2

... ..
... ..
... ..
... ..
... ..

Loc 3

... ..
(- would be ...?).
... ..
... ..
... ..
... ..

SPECIES

71280220

- (a)
... ..
... ..
- (b)
... ..

Spec

71280221

- (I) Spec of banded (B/w)
 grains of 1st/2nd Brit. Ensis
 (II) Spec of garnet bearing
 grains - 1st 2nd 3rd field
 (III) 1st 2nd 3rd Ensis

71280221

71280223

71280224

San José, P.R.

1st May 1911

v. low at 8.30

7.30 - 25° S.

2nd May

above ground feet

quite folded

quite folded

quite folded

quite folded

quite folded

quite folded

quite folded

71280226

1st May 1911

2nd May 1911

3rd May 1911

4th May 1911

5th May 1911

6th May 1911

7th May 1911

Spec 1 of

7128/0227

Spec 2 of fine type. 7128/0228

Spec 3

7128/0229

Spec 4 of 2nd class

Spec 5 of 2nd class

Spec 6

7128/0230

Spec 7 of 2nd class
Spec 8 of 2nd class
Spec 9 of 2nd class
Spec 10 of 2nd class

10/1

428500

2025500

10/2

425500

2024000

1908
July 1st

July 1st - 1898

A faint, hand-drawn diagram of a landscape, possibly a river or a path, with some trees or bushes indicated by simple shapes. The drawing is enclosed within a red oval border.

100

1. *Phragmites australis* (Cav.) Trin. ex Steud.

... 20, ...
... also inclusion
of ...
...
...
... fold etc

... the fold is ...

...

... form a longitudinal belt

233

234 - Near Mr. Sterlight

St. John's, Alaska, Ridge.
c. 100 ft. high. The
could be described as
white, with some
greenish at the top.
60° N.
quite smooth.

235

Agrostis alba

Grass is v. c. of
Pogonochloa dissecta
clavata etc.
faintly

100 ft. 70° N.

236

int. 1000

Gravelly sand &
coarse gravelly clay.

771. Hammer

At 160 yds. 70° W.

sampled in '96 etc.

int. 1000 by gravelly

gravel. 1st sample

etc.

238

237

Jan 7th Feb.

Quick Chopper Stop on road
Expos.

foliation at 60° dip went to 70° NW
gltz fdd gnt rock, banded
some circles in quartz surface
such as blue rock & homogeneous
com for these type rocks.
No spec taken. ✓

Fisher massif.

foliated in granite, the
amphib xenoliths.

Spec of Amphibolite Spec 19

Stop 1.

North west edge of Fisher massif

Stop 2.

NW edge of Fisher massif
Amph. Basalt in contact &
granite. Photo of amphibolite
much as thinning

gls. being, none is jewelry

Spec of

(a) amg basalt Spec B 240

(b) Cu staining - all undolomite
staining, some sulphides
rocks.

Spec C. 241

Exp 3

Drugg basalt & copper staining

U. f.g. - not many amg.

Some gls staining in places.

possibly in some areas
between 2, 3 some pyrite?

Spec of

(a) f.g. amphib.

(b) Cu staining

0242

Spec D

Spec E

0243

debris debris 11 lengths of road
entirely not folding
not the heavily laminar
not lollins

not lollins

Pink ag. granite - green marble
in middle, layers of g. debris
(now metamorphic).

Wilson Hill

at 90°, or about so.
mainly schists (2 Spec.)
interrupted by v. coarse porphyritic
dykes - field mark -
mainly feld.

some bands, fine, &
a little gneiss
some evidence of minor
folding

Mass contains about 10-20%
granodiorite lent - more

seen in section

banding on edge - none
not welling - further from
not typical!

Spec No 1	0244
Spec No 2	0245

not shown

SW dip

Granite - Granodiorite & amphibolite

Amphibolite - green

0246 Granite

0247 Amphib

Tuesday 7th Feb 71.

Deport read.

DO NOT HAVE
E. N. G. M. C. P.
DO NOT HAVE
E. N. G. M. C. P.

Tools
Map
Cold water
Belt & Knife



GEOL 95-
B